SEQUENCE LISTING

<110> RONN, LARS CHRISTIAN
HOLM, ARNE
OLSEN, MARIANNE
OSTERGAARD, SOREN
JENSEN, PETER H.
POULSEN, FLEMMING M.
SOROKA, VLADISLAV
RALETS, IGOR
BEREZIN, VLADIMIR
BOCK, ELISABETH

<120> NCAM BINDING COMPOUNDS

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<141> 2001-03-29

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<151> 1998-09-29

<150> PA 1999 00592
<151> 1999-04-29

<160> 44

<170> PatentIn Ver. 2.1

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<210> 3
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<220>
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<210> 4
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<220>
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1 5 10

<210> 5
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<220>
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<400> 5
Ala Lys Tyr Val Leu Ile Pro Ile Arg Ile Ser
1 5 10

<210> 6
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<400> 7
Ala Arg Arg Ala Ile Leu Met Xaa Ala Leu
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<210> 8
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<220>
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Ala Tyr Tyr Leu Ile Val Arg Val Asn Arg Ile
1 5 10

<210> 9
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Ala Thr Asn Lys Lys Thr Gly Arg Arg Pro Arg
1 5 10

<210> 10
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<220>
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Ala Lys Arg Asn Gly Pro Leu Ile Asn Arg Ile
1 5 10

<210> 11
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Ala Lys Arg Ser Val Gln Lys Leu Asp Gly Gln
1 5 10

<210> 12
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Ala Arg Gln Lys Thr Met Lys Pro Arg Arg Ser
1 5 10

<210> 13
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<400> 13
Ala Gly Asp Tyr Asn Pro Asp Leu Asp Arg
1 5 10

<210> 14
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Ala Arg Lys Thr Arg Glu Arg Lys Ser Lys Asp
1 5 10

<210> 15
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Ala Ser Gln Ala Lys Arg Arg Lys Gly Pro Arg
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<210> 16
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1 5 10

<210> 17
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Ala Lys Lys Glu Lys Pro Asn Lys Pro Asn Asp
1 5 10

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<400> 18
Ala Gln Met Gly Arg Gln Ser Ile Asp Arg Asn
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<220>
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<400> 19
Ala Glu Gly Gly Lys Lys Lys Lys Met Arg Ala
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<220>
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Ala Lys Lys Lys Glu Gln Lys Gln Arg Asn Ala
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<210> 21
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Ala Lys Ser Arg Lys Gly Asn Ser Ser Leu Met
1 5 10

<210> 22
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<220>
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<400> 22
Ala Arg Lys Ser Arg Asp Met Thr Ala Ile Lys
1 5 10

<210> 23
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Gly Arg Ile Leu Ala Arg Gly Glu Ile Asn Phe Lys
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Gly Ser Ile Leu Ala Ser Gly Glu Ser Asn Phe Lys
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Gly Arg Ile Leu Ala Arg Gly Ser Ser Asn Phe Lys
1 5 10

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Gly Glu Ile Ser Val Gly Glu Ser Lys Phe Phe Leu
1 5 10

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<220>
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<400> 27
Lys Lys Pro Lys
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<210> 28
<211> 4
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 28
Lys Lys Glu Lys
1

<210> 29
<211> 4
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 29
Lys Lys Glu Arg
1

<210> 30
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ctgtgtcaag tggca 75

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<212> DNA
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<220>
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attcacaatg acctgaatgt ccttgaagtt gatggccccg gcggccagga tggcgccctc 60
acagcggtaa gt 72

<210> 32
<211> 11
<212> PRT
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<220>
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<400> 32
Ala Arg Lys Thr Lys Ser Arg Glu Arg Lys Asp
1 5 10

<210> 33
<211> 11
<212> PRT
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<220>
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<400> 33
Ala Ser Lys Lys Pro Lys Ala Asn Ile Lys Ala
1 5 10

<210> 34
<211> 11
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<220>
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<400> 34
Ala Ser Lys Lys Pro Ala Ala Asn Ile Lys Ala
1 5 10

<210> 35
<211> 11
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<220>
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<400> 35
Ala Ser Lys Ala Pro Ala Ala Asn Ile Lys Ala
1 5 10

<210> 36
<211> 11
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<220>
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<400> 36
Ala Ser Ala Ala Pro Ala Ala Asn Ile Lys Ala
1 5 10

<210> 37
<211> 11
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<220>
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<400> 37
Ala Ser Lys Lys Ala Lys Arg Asn Ile Lys Ala
1 5 10

<210> 38
<211> 11
<212> PRT
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<220>
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<400> 38
Ala Lys Lys Lys Lys Arg Ile Ser Ala Asn Pro
1 5 10

<210> 39
<211> 11
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<220>
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<400> 39
Pro Asn Ala Ser Ile Arg Lys Lys Lys Lys Ala
1 5 10

<210> 40
<211> 11
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<220>
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<400> 40
Lys Asn Ser Pro Lys Ala Arg Ile Lys Ala Lys
1 5 10

<210> 41
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<220>
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<400> 41
Arg Thr Lys Gln Asp Lys Ala Gln Glu Arg Lys
1 5 10

<210> 42
<211> 11
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<223> Description of Artificial Sequence: Synthetic peptide

<400> 42
Gly Leu Lys Arg Trp Ala Pro Asn Lys Ala Ala
1 5 10

<210> 43
<211> 6
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 43
Lys Lys Lys Lys Lys Lys
1 5

<210> 44
<211> 848
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<213> Homo sapiens

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Ala Val Ser Leu Gln Val Asp Ile Val Pro Ser Gln Gly Glu Ile Ser
20 25 30

Val Gly Glu Ser Lys Phe Phe Leu Cys Gln Val Ala Gly Asp Ala Lys
35 40 45

Asp Lys Asp Ile Ser Trp Phe Ser Pro Asn Gly Glu Lys Leu Thr Pro
50 55 60

Asn Gln Gln Arg Ile Ser Val Val Trp Asn Asp Asp Ser Ser Ser Thr
65 70 75 80

Leu Thr Ile Tyr Asn Ala Asn Ile Asp Asp Ala Gly Ile Tyr Lys Cys
85 90 95

Val Val Thr Gly Glu Asp Gly Ser Glu Ser Glu Ala Thr Val Asn Val
100 105 110

Lys Ile Phe Gln Lys Leu Met Phe Lys Asn Ala Pro Thr Pro Gln Glu
115 120 125

Phe Arg Glu Gly Glu Asp Ala Val Ile Val Cys Asp Val Val Ser Ser
130 135 140

Leu Pro Pro Thr Ile Ile Trp Lys His Lys Gly Arg Asp Val Ile Leu
145 150 155 160

Lys Lys Asp Val Arg Phe Ile Val Leu Ser Asn Asn Tyr Leu Gln Ile
165 170 175

Arg Gly Ile Lys Lys Thr Asp Glu Gly Thr Tyr Arg Cys Glu Gly Arg
180 185 190

Ile Leu Ala Arg Gly Glu Ile Asn Phe Lys Asp Ile Gln Val Ile Val
195 200 205

Asn Val Pro Pro Thr Ile Gln Ala Arg Gln Asn Ile Val Asn Ala Thr
210 215 220

Ala Asn Leu Gly Gln Ser Val Thr Leu Val Cys Asp Ala Glu Gly Phe
225 230 235 240

Pro Glu Pro Thr Met Ser Trp Thr Lys Asp Gly Glu Gln Ile Glu Gln
245 250 255

Glu Glu Asp Asp Glu Lys Tyr Ile Phe Ser Asp Asp Ser Ser Gln Leu
260 265 270

Thr Ile Lys Lys Val Asp Lys Asn Asp Glu Ala Glu Tyr Ile Cys Ile
275 280 285

Ala Glu Asn Lys Ala Gly Glu Gln Asp Ala Thr Ile His Leu Lys Val
290 295 300

Phe Ala Lys Pro Lys Ile Thr Tyr Val Glu Asn Gln Thr Ala Met Glu
305 310 315 320

Leu Glu Glu Gln Val Thr Leu Thr Cys Glu Ala Ser Gly Asp Pro Ile
325 330 335

Pro Ser Ile Thr Trp Arg Thr Ser Thr Arg Asn Ile Ser Ser Glu Glu
340 345 350

Lys Thr Leu Asp Gly His Met Val Val Arg Ser His Ala Arg Val Ser
355 360 365

Ser Leu Thr Leu Lys Ser Ile Gln Tyr Thr Asp Ala Gly Glu Tyr Ile
370 375 380

Cys Thr Ala Ser Asn Thr Ile Gly Gln Asp Ser Gln Ser Met Tyr Leu
385 390 395 400

Glu Val Gln Tyr Ala Pro Lys Leu Gln Gly Pro Val Ala Val Tyr Thr
405 410 415

Trp Glu Gly Asn Gln Val Asn Ile Thr Cys Glu Val Phe Ala Tyr Pro
420 425 430

Ser Ala Thr Ile Ser Trp Phe Arg Asp Gly Gln Leu Leu Pro Ser Ser
435 440 445

Asn Tyr Ser Asn Ile Lys Ile Tyr Asn Thr Pro Ser Ala Ser Tyr Leu
450 455 460

Glu Val Thr Pro Asp Ser Glu Asn Asp Phe Gly Asn Tyr Asn Cys Thr
465 470 475 480

Ala Val Asn Arg Ile Gly Gln Glu Ser Leu Glu Phe Ile Leu Val Gln
485 490 495

Ala Asp Thr Pro Ser Ser Pro Ser Ile Asp Gln Val Glu Pro Tyr Ser
500 505 510

Ser Thr Ala Gln Val Gln Phe Asp Glu Pro Glu Ala Thr Gly Gly Val
515 520 525

Pro Ile Leu Lys Tyr Lys Ala Glu Trp Arg Ala Val Gly Glu Glu Val
530 535 540

Trp His Ser Lys Trp Tyr Asp Ala Lys Glu Ala Ser Met Glu Gly Ile
545 550 555 560

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Val Thr Ile Val Gly Leu Lys Pro Glu Thr Thr Tyr Ala Val Arg Leu
                565                 570                 575

Ala Ala Leu Asn Gly Lys Gly Leu Gly Glu Ile Ser Ala Ala Ser Glu
            580                 585                 590

Phe Lys Thr Gln Pro Val Gln Gly Glu Pro Ser Ala Pro Lys Leu Glu
        595                 600                 605

Gly Gln Met Gly Glu Asp Gly Asn Ser Ile Lys Val Asn Leu Ile Lys
    610                 615                 620

Gln Asp Asp Gly Gly Ser Pro Ile Arg His Tyr Leu Val Arg Tyr Arg
625                 630                 635                 640

Ala Leu Ser Ser Glu Trp Lys Pro Glu Ile Arg Leu Pro Ser Gly Ser
                645                 650                 655

Asp His Val Met Leu Lys Ser Leu Asp Trp Asn Ala Glu Tyr Glu Val
            660                 665                 670

Tyr Val Val Ala Glu Asn Gln Gln Gly Lys Ser Lys Ala Ala His Phe
        675                 680                 685

Val Phe Arg Thr Ser Ala Gln Pro Thr Ala Ile Pro Ala Asn Gly Ser
    690                 695                 700

Pro Thr Ser Gly Leu Ser Thr Gly Ala Ile Val Gly Ile Leu Ile Val
705                 710                 715                 720

Ile Phe Val Leu Leu Leu Val Val Val Asp Ile Thr Cys Tyr Phe Leu
                725                 730                 735

Asn Lys Cys Gly Leu Phe Met Cys Ile Ala Val Asn Leu Cys Gly Lys
            740                 745                 750

Ala Gly Pro Gly Ala Lys Gly Lys Asp Met Glu Glu Gly Lys Ala Ala
        755                 760                 765

Phe Ser Lys Asp Glu Ser Lys Glu Pro Ile Val Glu Val Arg Thr Glu
    770                 775                 780

Glu Glu Arg Thr Pro Asn His Asp Gly Gly Lys His Thr Glu Pro Asn
785                 790                 795                 800

Glu Thr Thr Pro Leu Thr Glu Pro Glu Lys Gly Pro Val Glu Ala Lys
                805                 810                 815

Pro Glu Cys Gln Glu Thr Glu Thr Lys Pro Ala Pro Ala Glu Val Lys
            820                 825                 830

Thr Val Pro Asn Asp Ala Thr Gln Thr Lys Glu Asn Glu Ser Lys Ala
        835                 840                 845
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